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(54) **Polyfunctional derivatives of cyclodextrin.**

(57) New functional derivatives of α , β and γ cyclodextrins obtained by grafting cyclodextrin with epoxides of protected polyols and epoxides containing water soluble substituents such as 2-pyrrolidonyl groups. The reaction products have a degree of substitution per glucose residue between 0 and 1. Selective removal of protecting groups from cyclodextrin substituents, carried out under conditions that do not affect the integrity of cyclodextrin ring, gives rise to hydrosoluble cyclodextrine derivatives whose hydrophilic/hydrophobic balance can be modulated by controlling the extent of deprotection. Said compounds can be used for the preparation of adducts with biologically active synthetic and natural hydrophobic molecules, to be utilized for the preparation of drugs, vaccines, phytodrugs.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US-A-3 453 259 (PARMETER ET AL) * column 4, line 1 - line 40; claim 5 * -----	1	C08B37/16 C08B37/00
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C08B
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	28 JUNE 1993	LENTZ J.C.	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			